## APPENDIX 2, CONT'D

Case Cal-3

This case, a 73.3-kg, 36-yr old Negro male, was diagnosed from biopsy as having an osteo-fibro myxochondrosarcoma involving the distal femur, patella and proximal tibia. He was injected 7/18/47 with  $0.095~\mu \text{Ci}^{238} \text{Pu(VI)}$  nitrate intramuscularly at an ink-marked location on the gastrocnemius muscle. A mid-thigh amputation was performed four days p.i. Alive and well 7/17/68, 21 yr. p.i.

% of absorbed % of absorbed

Samples	Wet wt. (g)	Ash wt. (g)	dose	dose/g·
Tumor	29.5	0.37	0.60	0.0203
Bone and tumor b	31.5	12.6	0.144	0.0046
Marrow	4.0	0.05	0.063	0.0158
Normal cortex	50.5	20.0	0.063	0.00124
Muscle from normal bone	27.5	0.345	0.025	0.0009
Injection site	69.5	0.87	46.6°	:

Whole femur reconstruction:

a Data of J. G. Hamilton and J. C. Crowley, unpublished.

bPart of distal femur, patella, and proximal tibia.

<sup>&</sup>lt;sup>c</sup>% of administered dose.